Henrik K Hansen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4675173/publications.pdf

Version: 2024-02-01

78 papers	3,053 citations	201385 27 h-index	168136 53 g-index
80 all docs	80 docs citations	80 times ranked	2326 citing authors

#	Article	IF	Citations
1	Assessing the Control of Postharvest Gray Mold Disease on Tomato Fruit Using Mixtures of Essential Oils and Their Respective Hydrolates. Plants, 2021, 10, 1719.	1.6	12
2	Electrochemical peroxidation using iron nanoparticles and anodic iron dissolution to remove selenium from oil refinery wastewater. Water and Environment Journal, 2020, 34, 284-290.	1.0	3
3	Evaluation of mine tailingsâ€™ potential as supplementary cementitious materials based on chemical, mineralogical and physical characteristics. Waste Management, 2020, 102, 710-721.	3.7	49
4	Copper Analysis by Two Different Procedures of Sequential Extraction after Electrodialytic Remediation of Mine Tailings. International Journal of Environmental Research and Public Health, 2019, 16, 3957.	1.2	2
5	Application of a Sequential Extraction Method for Analyzing Cu Distribution in Pre-Treated Mine Tailings after Electrodialytic Remediation. International Journal of Environmental Research and Public Health, 2019, 16, 584.	1.2	5
6	Electrokinetic remediation of manganese and zinc in copper mine tailings. Journal of Hazardous Materials, 2019, 365, 905-911.	6.5	32
7	Selenium removal from petroleum refinery wastewater using an electrocoagulation technique. Journal of Hazardous Materials, 2019, 364, 78-81.	6.5	95
8	Electrical Behavior of Copper Mine Tailings During EKR with Modified Electric Fields. Bulletin of Environmental Contamination and Toxicology, 2017, 98, 304-309.	1.3	2
9	Continuous multistage electrodialytic treatment of copper smelter wastewater. Minerals Engineering, 2017, 100, 187-190.	1.8	4
10	Possible Use of the Algae Lessonia nigrescens as a Biosorbent: Differences in Copper Sorption Behavior Using Either Blades or Stipes. Waste and Biomass Valorization, 2017, 8, 1295-1302.	1.8	8
11	Electrokinetic treatment of an agricultural soil contaminated with heavy metals. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 691-700.	0.9	49
12	Electrokinetic Soil Remediation: An Overview. , 2016, , 3-18.		6
13	Electro-desalination of Buildings Suffering from Salt Weathering. , 2016, , 205-224.		2
14	Electrokinetic Remediation of Copper Mine Tailings: Evaluating Different Alternatives for the Electric Field. , 2016, , 143-159.		1
15	Suspended electrodialytic extraction of toxic elements for detoxification of three different mine tailings. International Journal of Sustainable Development and Planning, 2016, 11, 119-127.	0.3	3
16	Electrochemical peroxidation using iron nanoparticles to remove arsenic from copper smelter wastewater. Electrochimica Acta, 2015, 181, 228-232.	2.6	25
17	Batch electrodialytic treatment of copper smelter wastewater. Minerals Engineering, 2015, 74, 60-63.	1.8	7
18	Biosorption of cadmium with brown macroalgae. Chemosphere, 2015, 138, 164-169.	4.2	35

#	Article	IF	Citations
19	Electrokinetic remediation of mine tailings by applying a pulsed variable electric field. Minerals Engineering, 2014, 55, 52-56.	1.8	15
20	Phosphorus Recovery from a Water Reservoirâ€"Potential of Nanofiltration Coupled to Electrodialytic Process. Waste and Biomass Valorization, 2013, 4, 675-681.	1.8	5
21	Biosorption of lead from acidic aqueous solutions using Durvillaea antarctica as adsorbent. Minerals Engineering, 2013, 46-47, 95-99.	1.8	5
22	Electrodialytic Remediation of Different Heavy Metal-Polluted Soils in Suspension. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	10
23	Electro-remediation of copper mine tailings. Comparing copper removal efficiencies for two tailings of different age. Minerals Engineering, 2013, 41, 1-8.	1.8	20
24	Electroleaching of Copper Waste with Recovery of Copper by Electrodialysis. E3S Web of Conferences, 2013, 1, 31003.	0.2	1
25	Zero Valent Iron Nanoparticle Assisted Electrocoagulation of Arsenic with electromagnetic Separation of Solids. E3S Web of Conferences, 2013, 1, 32008.	0.2	1
26	Electrodialytic Remediation of Copper Mine Tailings. Procedia Engineering, 2012, 44, 2053-2055.	1.2	8
27	Recovery of Copper from Smelter Wastewater with the Use of Electrodialysis. Procedia Engineering, 2012, 44, 1851-1852.	1.2	0
28	Electrokinetic remediation using pulsed sinusoidal electric field. Electrochimica Acta, 2012, 86, 124-129.	2.6	24
29	Electrocoagulation of arsenic using iron nanoparticles to treat copper mineral processing wastewater. Separation and Purification Technology, 2011, 79, 285-290.	3.9	25
30	Electrokinetic remediation with high frequency sinusoidal electric fields. Separation and Purification Technology, 2011, 79, 139-143.	3.9	9
31	Adsorption of copper onto agriculture waste materials. Journal of Hazardous Materials, 2010, 180, 442-448.	6.5	45
32	Electrochemical peroxidation as a tool to remove arsenic and copper from smelter wastewater. Journal of Applied Electrochemistry, 2010, 40, 1031-1038.	1.5	22
33	Electrodialytic remediation of copper mine tailings with sinusoidal electric field. Journal of Applied Electrochemistry, 2010, 40, 1095-1100.	1.5	22
34	Electroremediation of air pollution control residues in a continuous reactor. Journal of Applied Electrochemistry, 2010, 40, 1173-1181.	1.5	24
35	Removal of Arsenic from Wastewaters by Airlift Electrocoagulation: Part 3: Copper Smelter Wastewater Treatment. Separation Science and Technology, 2010, 45, 1326-1330.	1.3	14
36	Relation Between pH and Desorption of Cu, Cr, Zn, and Pb from Industrially Polluted Soils. Water, Air, and Soil Pollution, 2009, 201, 295-304.	1.1	28

#	Article	IF	Citations
37	Electrochemical Generation of Fenton's Reagent to Treat Spent Caustic Wastewater. Separation Science and Technology, 2009, 44, 2223-2233.	1.3	17
38	Electrodialytic Remediation of Copper Mine Tailing Pulps. Separation Science and Technology, 2009, 44, 2234-2244.	1.3	4
39	Electrodialytic Remediation of Soil Slurryâ€“Removal of Cu, Cr, and As. Separation Science and Technology, 2009, 44, 2245-2268.	1.3	15
40	Removal of Arsenic from Wastewaters by Airlift Electrocoagulation. Part 2: Continuous Reactor Experiments. Separation Science and Technology, 2008, 43, 3663-3675.	1.3	9
41	Utilization of electromigration in civil and environmental engineeringâ€”Processes, transport rates and matrix changes. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 795-809.	0.9	45
42	Electrodialytic remediation of suspended mine tailings. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 832-836.	0.9	16
43	Electrodialytic removal of Cd from straw ash in a pilot plant. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 844-851.	0.9	7
44	Spent caustic oxidation using electro-generated Fenton's reagent in a batch reactor. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 952-960.	0.9	9
45	Removal of Arsenic from Wastewaters by Airlift Electrocoagulation. Part 1: Batch Reactor Experiments. Separation Science and Technology, 2008, 43, 212-224.	1.3	28
46	Screening the possibility for removing cadmium and other heavy metals from wastewater sludge and bio-ashes by an electrodialytic method. Electrochimica Acta, 2007, 52, 3420-3426.	2.6	45
47	Testing pulsed electric fields in electroremediation of copper mine tailings. Electrochimica Acta, 2007, 52, 3399-3405.	2.6	62
48	Diagnostic analysis of electrodialysis in mine tailing materials. Electrochimica Acta, 2007, 52, 3406-3411.	2.6	27
49	Electrocoagulation in wastewater containing arsenic: Comparing different process designs. Electrochimica Acta, 2007, 52, 3464-3470.	2.6	94
50	Electrokinetic remediation of copper mine tailings. Electrochimica Acta, 2007, 52, 3355-3359.	2.6	38
51	Electrodialytic remediation of copper mine tailings: Comparing different operational conditions. Minerals Engineering, 2006, 19, 500-504.	1.8	19
52	Biosorption of arsenic(V) with Lessonia nigrescens. Minerals Engineering, 2006, 19, 486-490.	1.8	143
53	Electrocoagulation as a remediation tool for wastewaters containing arsenic. Minerals Engineering, 2006, 19, 521-524.	1.8	85
54	Electrodialytic remediation of copper mine tailings. Journal of Hazardous Materials, 2005, 117, 179-183.	6.5	57

#	Article	IF	Citations
55	Case study on the strategy and application of enhancement solutions to improve remediation of soils contaminated with Cu, Pb and Zn by means of electrodialysis. Engineering Geology, 2005, 77, 317-329.	2.9	35
56	Electrodialytic Remediation of Copper Mine Tailings: Sulphuric and Citric Acid Addition. Separation Science and Technology, 2005, 40, 1947-1956.	1.3	13
57	Electrochemical Treatment of a Polluted Sludge: Different Methods and Conditions for Manganese Removal. Separation Science and Technology, 2005, 39, 3679-3689.	1.3	21
58	Speciation and leachability of copper in mine tailings from porphyry copper mining: Influence of particle size. Chemosphere, 2005, 60, 1497-1503.	4.2	49
59	Electrodialytic removal of cadmium from straw combustion fly ash. Journal of Chemical Technology and Biotechnology, 2004, 79, 789-794.	1.6	17
60	Electrodialytic Removal of Heavy Metals from Different Solid Waste Products. Separation Science and Technology, 2003, 38, 1269-1289.	1.3	36
61	Electroosmotic Dewatering of Porous Materials-Experiences with Chalk, Iron Hydroxide and Biomass Sludges, and Wet Fly Ash. Journal of Chemical Engineering of Japan, 2003, 36, 689-694.	0.3	3
62	Calculation of solubilities of the pesticides diuron and monuron in organic nonelectrolyte solvents using UNIFAC and modified UNIFAC (dortmund) models. Canadian Journal of Chemical Engineering, 2002, 80, 530-535.	0.9	0
63	Effects from different types of construction refuse in the soil on electrodialytic remediation. Journal of Hazardous Materials, 2002, 91, 205-219.	6.5	16
64	Speciation and mobility of cadmium in straw and wood combustion fly ash. Chemosphere, 2001, 45, 123-128.	4.2	80
65	Removal of Cu, Pb and Zn in an applied electric field in calcareous and non-calcareous soils. Journal of Hazardous Materials, 2001, 85, 291-299.	6.5	72
66	Electroosmotic Dewatering of Chalk Sludge, Wet Fly Ash and Iron Hydroxide Sludge. Chemie-Ingenieur-Technik, 2001, 73, 728-728.	0.4	0
67	Solubilities of anthracene, fluoranthene and pyrene in organic solvents: Comparison of calculated values using UNIFAC and modified UNIFAC (Dortmund) models with experimental data and values using the mobile order theory. Canadian Journal of Chemical Engineering, 2000, 78, 1168-1174.	0.9	34
68	Title is missing!. Journal of Applied Electrochemistry, 2000, 30, 1199-1207.	1.5	103
69	Electrodialytic Remediation of an Arsenic and Copper Polluted Soil - Continuous Addition of Ammonia During the Process. Environmental Technology (United Kingdom), 2000, 21, 1421-1428.	1.2	33
70	Prediction of Gas Solubility Using Mixing Rules. Results of Comparative Study.. Journal of Chemical Engineering of Japan, 2000, 33, 910-913.	0.3	0
71	Electrodialytic Remediation of Soil Polluted With Heavy Metals. Chemical Engineering Research and Design, 1999, 77, 218-222.	2.7	32
72	Design of a Combined Mixing Rule for the Prediction of Vaporâ"Liquid Equilibria Using Neural Networks. Industrial & Engineering Chemistry Research, 1999, 38, 1706-1711.	1.8	23

#	Article	IF	Citations
73	Electrical Resistance and Transport Numbers of Ion-Exchange Membranes Used in Electrodialytic Soil Remediation. Separation Science and Technology, 1999, 34, 2223-2233.	1.3	19
74	Electrochemical Analysis of Ion-Exchange Membranes with Respect to a Possible Use in Electrodialytic Decontamination of Soil Polluted with Heavy Metals^{â€}. Separation Science and Technology, 1997, 32, 2425-2444.	1.3	24
75	Electrodialytic Remediation of Soil Polluted with Copper from Wood Preservation Industryâ€. Environmental Science & Technology, 1997, 31, 1711-1715.	4.6	151
76	Electrodialytic remediation of soils polluted with Cu, Cr, Hg, Pb and Zn. , 1997, 70, 67-73.		97
77	Vapor-liquid equilibria by UNIFAC group contribution. 5. Revision and extension. Industrial & Engineering Chemistry Research, 1991, 30, 2352-2355.	1.8	849
78	As(III)â€toâ€As(V) oxidation in copper smelter wastewater by inâ€situ generated ozone. Chemical Engineering and Technology, 0, , .	0.9	0